

PCB Assembly Manufacturing Capacities

Board Type	Rigid PCB, Flexible PCB, metal core PCB, Rigid-Flex PCB
Board Shape	Rectangular, Circular and any Odd Shapes
Size	Min 50*50mm to max 500mm*800mm
Package	Min 01005, 0201, 0402, 0603, 0805, 1206, max 18*18mm
Fine Pitch Parts	0.25mm
BGA Package	Dia. 0.14mm, BGA 0.2mm pitch
Mounting Accuracy	$\pm 0.035\text{mm}(\pm 0.025\text{mm})$ Cpk ≥ 1.0 (3σ)
SMT Capacity	4 Million~5 Million components/day
DIP Capacity	100Kpcs PCBA/Month
Parts Sourcing	All components sourced by VCT or Partial sourcing
Parts Package	Reels, Cut Tape, Tube & Tray, Loose Parts and Bulk
Testing	Visual inspection; AOI ; Functional Testing
Types of Solder	lead-free (RoHS Compliant) assembly services

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Assembly Option	Surface mount (SMT), Through-hole (DIP), Mixed technology (SMT & Thru-hole),From SMT to Assy
Stencils	Laser cut stainless steel stencils, Nano stencil ,FG stencil
File Formats	Bill of Materials, PCB(Gerber Files), Pick-N-Place File (XYRS)
Quality Grade	IPC-A-610
OEM/ODM/EMS/Services	PCBA, PCB assembly: SMT & DIP & BGA
	PCBA and enclosure design
	Components sourcing and purchasing
	Quick prototyping
	Plastic injection molding
	Metal sheet stamping
	Final assembly
	Test: AOI, In-Circuit Test (ICT), Functional Test (FCT)
	Custom clearance for material importing and product exporting

PCB Assembly Manufacturing Capacities

SMT Machine: YAMAHA YSM10+YSM12+ YSM20+ YSM24

Reflow Oven: JT NS1000II

Wave Soldering Machine: SUNEAST E-FLOW

Automated Optical Inspection (AOI): VCTA 410+ MAKER-RAY AIS201

Fully Automatic SMT Stencil Printer: GKG G5

Other PCB Assembly Equipments